

Electro IR

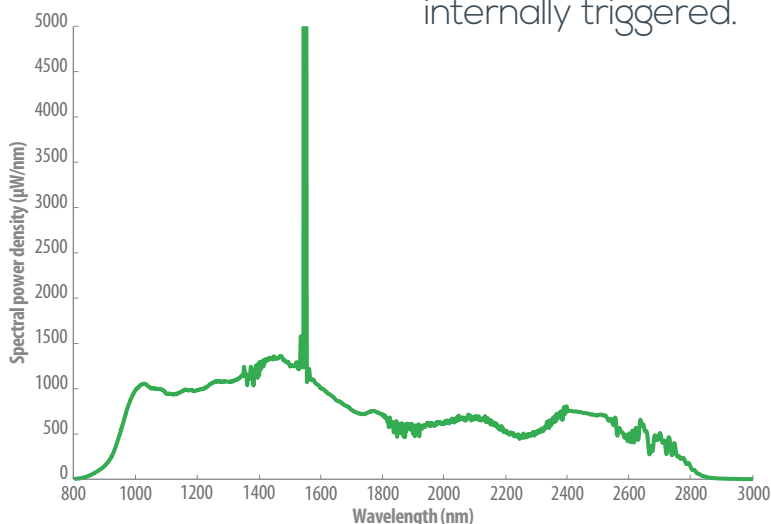
- Supercontinuum lasers
- SCIENTIFIC
- NIR - MID IR



NIR SUPERCONTINUUM LASER



ELECTRO IR is a supercontinuum laser with a unique spectrum in the NIR from 900 nm up to 2800 nm. This laser can either be externally triggered by a simple TTL signal with low jitter, or internally triggered.

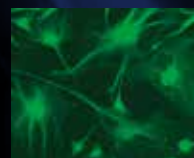


FEATURES

- NIR spectrum from 900 nm to 2800 nm
- Flat spectrum
- Spatially singlemode
- Total average power > 1.3 W
- High repetition rate
- Flexible fiber output
- Achromatic collimation (option)
- Maintenance-free
- Long lifetime

APPLICATIONS

- High resolution imaging
- Flow cytometry
- OCT
- Microscopy
- Optical component characterization



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Electro IR

NIR SUPERCONTINUUM LASER

For easy synchronization, a trigger output is available. **ELECTRO IR** is the perfect tool for user who needs high power in the NIR spectral window.

OPTICAL SPECIFICATIONS		ELECTRO 250 IR	ELECTRO 2000 IR
Spectral bandwidth	mini	< 900 nm	< 900 nm
	max	> 2 800 nm	> 2 600 nm
Total average power		> 1.3 W (typ. 1W)	>400 mW
Repetition rate		250 kHz	2 MHz
Seed pulse width		1 ns	40 ps
Power stability		< +/- 1 %	
Spatial mode		Singlemode	
Polarization state		Unpolarized	
Output connection		FC/APC collimator (~1m armored cable)	
Trigger		Internal or external	
Synchronization output		Trigger output	
Interlock connector		2-pin LEMO	
OTHER SPECIFICATIONS			
Control interface		Front panel and USB	
Operating temperature		+10°C to +40°C non condensing	
Weight		< 8 kg	
Dimensions (LxWxh)		485x250x134 mm	
Power requirements		100-240 V, 50/60 Hz	

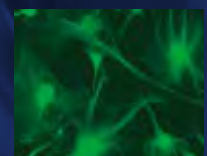
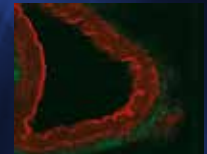
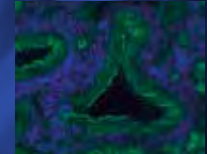
ADDITIONAL EQUIPMENT

Achromatic collimated output

Easy fiber coupling with Pop

Tunable filters : AOTF, monochromators, custom

— Supercontinuum lasers
— SCIENTIFIC
— NIR - MID IR



OPTION

Internal or external trigger
custom spectrum

Attenuation of the remaining pump
spike in the supercontinuum spectrum

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CAUTION – VISIBLE AND INVISIBLE
LASER RADIATION AVOID EYE AND
SKIN EXPOSURE TO DIRECT OR
SCATTERED RADIATION
CLASS 4 LASER PRODUCT